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No. 46] NEW DELHI, SATURDAY, NOVEMBER 12, 1988 (KARTIKA 12, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 12th November 1988

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1—327GI/88

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APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed under Section 135, of the Patents Act, 1970.

The 5th October 1988

- 822/Cal/88. Rostovsky Gosudarstvenny Universitet Imeni
M. A. Suslova-USSR;
Nauchno-Proizvodstvennoe Obiedinenie Reduk-
torostroenia-USSR;
Izhevskoe Proizvodstvennoe Obiedinenie "Reduk-
tor"-USSR.
Novikov Gearing (Spur Gear).
- 823/Cal/88. Nauchno-Proizvodstvennoe Obiedinanie Po
Sozdaniyu i Vypusku Sredstv Avtomatizatsii Gor-
nykh Mashin. Portable remote control desk.
- 823/Cal/88. Andrei Dmitrievich Plotnikov USSR;
Nikolai Pavlovich Popov USSR;
Grigory Naumovich Klotsov—USSR.
Electric drive assembly.
- 825/Cal/88. Universitet Druzhby Narodov Imeni Patrisa
Lumumby USSR. Radical-blade blower.
- 826/Cal/88. Donetsk Politekhicheskii Institut USSR. Method
of producing general purpose steel.
- 827/Cal/88.—Mozilevskii Mashinostroitelny Institut USSR;
Ukrainskyi Filial Tsentralnogo Konstrukorskogo
Biuro Armaturostroenia USSR;
Planetary gear and method of assembly.
- 828/Cal/88. Hellmuth Costard. Lightweight constructional
element of sandwich structure.
- 829/Cal/88. Fidia S. P. 9. Process for the preparation of
coumarin compound. [Divisional dated
21-7-1984].
- 830/Cal/88. Fidia S. P. A. Process for the preparation of
coumarin compound. [Divisional dated
21-7-1984].

The 6th October 1988

- 831/Cal/88. Akhil Ranjan Guha. Improved coir mattress.
- 832/Cal/88. CEIDA S.p.A. Costruzioni Elettromeccaniche Dis-
positivi d' Automazione. Device to measure the
level of liquid metal in a crystallizer of a conti-
nuous casting ingot mould.
- 833/Cal/88. Harris Corporation. Direct Access test unit
for central office.
- 834/Cal/88. Kortec AG. Process for feeding heat energy
into a molten metal bath.

The 7th October 1988

- 835/Cal/88. General Electric Company. Austenitic Stain-
less Steel Alloy.
- 836/Cal/88. Mag Instrument, Inc. Flashlight.

The 11th October 1988

- 837/Cal/88. Drolia Fuels Pvt. Ltd. A process for manu-
facturing coko ilmenite (TiO₂ source) for the pro-
tection of blast furnace hearth.
- 838/Cal/88. E. I. Du pont de nemours and Company. Flame
treated monofilaments.
- 839/Cal/88. E. I. Du Pont De Nemours And Company. Radial
tires containing polyamide monofilament.
- 840/Cal/88. Hanno Rang (Dipl. -Ing). Rotary piston pump.

APPLICATION FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
THIRD FLOOR, KAROL BAGH, NEW DELHI-5.

The 19th September 1988

- 785/Del/1988. Exxon Chemical Patents, Inc., "Fuel oil
additives".
(Convention date 18th September, 1987) (U.K.).
- 786/Del/1988. Colgate-Palmolive Company. "Non-slip
insole base".
- 787/Del/1988. Sanford Redmond Inc., "Compact form-
fill-seal machine for automatic production of seal-
ed packages".

The 20th September 1988

- 788/Del/1988. Dr. Ashok Kumar Jayant., "Probe for
vascular anastomosis".
- 789/Del/1988. Dr. Ashok Kumar Jayant., "Left atrial can-
nula inserter".
- 790/Del/1988. ABB STAL AB., "Pfb Power plant".
- 791/Del/1988. Piaggio & C. S. P. A., "Apparatus for the
actuation of a sequential speed gear".
- 792/Del/1988. Union Carbide Corporation., "High pres-
sure regulator valve".
- 793/Del/1988. Uniroyal Chemical Company, Inc., "Phen-
oxyphenyl-substituted tetrazolinones".

The 21st September -1988

- 794/Del/1988. Wg. Cdr. Sat Pal Choudhary., "Thermo-
stat for use in domestic electric iron".
- 795/Del/1988. Paul Wurth S. A., Device for injecting pre-
heated air into a shaft furnace".
- 796/Del/1988. Paul Wurth S.A., "Device for injecting pre-
heated air into a shaft furnace".
- 797/Del/1988. The Rucker Company., "Rotary shear
seal".
- 798/Del/1988. Imperial Chemical Industries Plc., "Ammo-
nia Synthesis gas".
(Convention date 19th October, 1987) (U.K.)

- 799/Del/1988. Uniroyal Chemical Company Inc., "Poly-
propylene stabilized against oxidative degradation
with mixtures of diarylamine derivatives and
sterically hindered phenols".
- 800/Del/1988. Uniroyal Company, Inc., "Stabilized car-
bon black loaded polyolefins".
- 801/Del/1988. Uniroyal Chemical Company, Inc., "Poly-
ethylene stabilized by mixture of hindered phenol
and amine antioxidants".

The 22nd September 1988

- 802/Del/1988. Imperial Chemical Industries Plc., "Appara-
tus for conducting an endothermic catalytic re-
forming reaction".
[Divisional date 24th February, 1986].
(Convention dates 5th March, 1985, 25th July,
1985, 21st August, 1985) (U.K.).

The 23rd September 1988

- 803/Del/1988. M. Venkat Rajam, "Protection of crop
plants from insect pests by using specific inhibi-
tors of polyamine metabolism".
- 804/Del/1988. Dr. M. Venkat Rajam., "Control of mosqui-
toes and house pests by inhibitors of polyamine
Biosynthesis".
- 805/Del/1988. Bharat Heavy Electricals Limited., "A power
supply monitoring system".

806/Del/1988. The B. F. Goodrich Company., "Glass fiber reinforced poly (vinyl Chloride) blend with improved heat distortion and tensile strength.

807/Del/1988. Alcan International Limited., "Metal/Air battery with recirculating electrolyte". (Convention date 24th September, 1987) (Canada).

808/Del/1988. Paul Wurth S. A., "Device for mounting a gripper for couling a rod for piercing the tap-hole of a shaft furnace to a piercing machine".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-400 013

The 5th September 1988

251/Bom/1988. Bajaj Auto Limited. Improved single circuit horizontal draught carburetor.

252/Bom/1988. Gopalkrishnan Ranchhodlal Patwari and Others. New device for bio gas pressure regulator.

The 9th September 1988

253/Bom/1988. Charles Victor Mesquita. Air pressure lift pump system.

The 7th September 1988

254/Bom/1988. M/s. Hindustan Organic Chemicals Limited. A pretreatment process for easy and safe removal of deactivated catalyst from multitubular reactors.

255/Bom/1988. Hoechst India Limited. Branched-chain alkyl esters of 2-[4-2-piperidino-ethoxy]-Benzoyl-benzoic acid as orally active spasmolytic agents.

The 8th September 1988

256/Bom/1988. Ram Menon. A reusable display-cum-carry pack carton for garments and the like.

The 9th September 1988

257/Bom/1988. Kirtilal Kalidas Doshi. Circular diamond holding disc.

258/Bom/1988. Kabushiki Kaisha Toshiba. Network system using token passing bus access method.

259/Bom/1988. Indian Oil Corporation Limited. An improved process for the production of carboxylic acids.

260/Bom/1988. Hoechst India Limited. A process for the production of new antibacterial antibiotics nep-samycin A and B from streptomyces candidus Y-82, 11372 (Culture no. Hoechst India Limited Y-82, 11372) and its mutants and variants.

261/Bom/1988. Pradeep Vasant Garude. A leak-proof swivel joint particularly for use in a petrol pump and a petrol pump having the same.

The 13th September 1988

262/Bom/1988. Eagle Flask Industries (India) Pvt. Ltd. A tiffin carrier having a detachable handle.

263/Bom/1988. Drishti Advertising Private Limited. A method of manufacturing an outdoor display hoarding;

264/Bom/1988. Rigimax Machine Tools Co. Pvt. Ltd. Device for elimination of clearance in the over-load protection assembly in a power press.

The 14th September 1988

265/Bom/1988. Hoechst India Ltd. 4H-1-Benzopyran -4-one derivatives as medicaments in the treatment of tumour malignancies.

The 16th September 1988

266/Bom/88. Manohar Sharma. A improved bulb cap made by glass, inspite of metals.

The 19th September 1988

267/Bom/88. Vasant Mukund Joshi. Improvements in or relating to reciprocating piston internal combustion engines.

The 20th September 1988

268/Bom/88. Bhaskar Prem Mitra. Hydraulic speed variation system.

269/Bom/88. Choudhari Vijai Madhaurao. Blocks useful for building construction.

The 21st September 1988

270/Bom/88. Nirmal Pannalal. An improved mechanical jack.

271/Bom/88. Sadanand Achanna Shetty. A portable gallery for a stadium.

272/Bom/88. Sadanand Achanna Shetty. Device to cut irregular shapes in varying sections.

273/Bom/88. Vinayak Rajaram Barge. Collapsible foldable, portable mosquito net.

274/Bom/88. Hindustan Lever Ltd. Improved process of preparing detergent bars.

275/Bom/88. Hindustan Lever Ltd. Detergent bars.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

The 26th September 1988

668/Mas/88. Rockwell International Corporation. Shear motor for dynamic mount for laser-beam steering mirror.

The 27th September 1988

669/Mas/88. Ravi Ralph. The seed dibbler.

670/Mas/88. Shell Internationale Research Maatschappij B. V. Process for hydrocracking of a hydrocarbon feedstock. (September 29, 1987; Great Britain).

671/Mas/88. Shell Internationale Research Maatschappij B. V. Process for converting a hydrocarbonaceous feedstock. September 29, 1987; Great Britain).

672/Mas/88. The Dow Chemical Company. A process for the preparation of an epoxy resin product. (D.V. to 553/Mas/85; Ante-dated to 17th July, 1985).

673/Mas/88. LeRoy G. Hagenbuch. An apparatus for sensing an indication of the weight or a load carried by a truck body. (Divisional to Patent Application No. 296/Mas/85; Ante-dated to 18th April, 1985).

The 28th September 1988

674/Mas/88. Merlin Gerin. Prefabricated medium voltage switchboard with rotary switch.

675/Mas/88. Zonagen, Inc. Method of preparation and use for zone pellucida antigens and antibodies for sterilization and contraception.

676/Mas/88. Veit Transpo GmbH. A switch arrangement.

677/Mas/88. Veit Transpo GmbH. A suspension transport system.

The 29th September 1988

678/Mas/88. The Plessey Company plc. Apparatus by which auxiliary stage-in units are connected to stage-in units. (October 20, 1987; United Kingdom).

679/Mas/88. Kurt-Henry Mindermann. A method for controlling the combustion of fuel having extremely variable thermal value.

680/Mas/88. CIME Bocuze. Heavy tungsten-nickel-alloys with very high mechanical characteristics and process for the production of said alloys.

The 30th September 1988

681/Mas/88. Terelander Srinivasan Sundaram. Bio-gas producing plant.

682/Mas/88. Tsuneyoshi Kawate and Tsuyoshi Ohnishi. Prostaglandin Derivatives.

683/Mas/88. Macchi Engenharia Biomedica Ltd. A Blood oxygenator apparatus.

OPPOSITION PROCEEDINGS

(1)

The application for Patent No. 161597 by M/s. Bajaj Auto Ltd. in respect of which an opposition was entered by M/s. Ruggo & C. S. P. A. Italy and M/s. Honda Giken Kogyo Kaisha, Japan as notified in the Gazette of India, Part III, Section 2 dated 6th August, 1988 has been treated as withdrawn.

(2)

The opposition entered by the Gillette Company to the grant of a patent on application No. 156956 made by Harbanshi Ramnora & Sons Ltd. as notified in the Gazette of India Part III, Section 2 dated 19th July, 1986 has been treated as refused.

(3)

The opposition entered by M/s. Godrej Soaps Pvt. Ltd., Bombay to the grant of a patent on application for Patent No. 155711 made by M/s. Tata Oil Mills Co. Ltd., Bombay as notified in the Gazette of India, Part III, Section 2 dated 9th November, 1985 has been dismissed and ordered that a patent shall be sealed on this application provided a request is made to that effect within the stipulated period.

(4)

The opposition entered by National Research Development Corporation of India to the grant of a patent on application No. 152667 filed by Permelec Electrode Ltd. as notified in the Gazette of India, Part III, Section 2 dated 18th August, 1984 has been dismissed and it is ordered that a patent shall be sealed on this application provided a request is made to that effect within the stipulated period.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Ireco Incorporated under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 155266 in their name has been allowed.

PATENTS SEALED

153717 154754 155195 155266 160894 161285 161286
161304 161503 161558 161622 161688 161707 161750
161756 161782 161783 161790 161802 161804 161806
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RENEWAL FEES PAID

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157732	157733	157734	157735	157736	157737	157738
157739	157740	157741	157742	157743	157744	157745
157746	157747	157748				

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 159547. Earl Bihari Private Limited, (a company incorporated under the Indian Companies Act) at 148-B, St. Cyril's Road, Bandra, Bombay-400 050, State of Maharashtra, India. "Door Chain". 29th March, 1988.
- Class 1. No. 159585. U. P. National Manufacturers Private Limited, an Indian Company Kamkatora Road, Post box No. 1058, Varanasi U. P. India. "Cooler Pump". 7th April, 1988.
- Class 1. No. 159946. Hitch Research Centre, (A Division of Dynacorp Medical Systems (P) Ltd. (a Company incorporated under the Indian Companies Act) whose address is C-94, Okla Industrial Area, Phase-1, New Delhi-110020, India. "Vis-comparator". 14th July, 1988.
- Class 1. No. 160053. Mahesh Gupta, an Indian National of H. 35, South Extension Part-I, New Delhi-110049, India. "Portable furnace oil viscometer". 29th August, 1988.
- Class 1. No. 160054. Mahesh Gupta, an Indian National of H. 35, South Extension Part-I, New Delhi-110049, India. "Portable tester for determining water content in oil". 29th August, 1988.
- Class 3. No. 159536. Shabbir A. Patel, M. B. House, 4th floor, 70, Gogua Street, Fort, Bombay-400001, State of Maharashtra, India, an Indian National. "Cap of Bottle". 28th March, 1988.
- Class 3. No. 159584. Mrs. Raji S. Nayak, 87, 6th Block, Rajaji Nagar, Bangalore-560010, Karnataka, India, Indian Nationality, "Spark Plug Gap Resetter". 7th April, 1988.
- Class 3. No. 159604. Ajay Kumar Virmani, Proprietor of Rainbow Cosmetics, P 50 Block C, Bangur Avenue, Calcutta-700055, West Bengal, India, an Indian National. "Bottle". 15th April, 1988.
- Class 3. No. 159611. N. P. Kinariwala Private Limited, of 148, Mukti Medan, Maninagar, Ahmedabad-380008, Gujarat, India, an Indian Company. "Storage Tank". 20th April, 1988.
- Class 3. No. 159612. Shree Krishnakeshav Laboratories Ltd., an Indian Company of Amraiwadi Road, Ahmedabad-380008, Gujarat, India. "Spike for Intrusion Set". 20th April, 1988.
- Class 3. Nos. 159657 & 159658. B. Kay Insulations, a partnership firm, of 1A/267, Faridabad Township, Haryana, India. "Slabs and Boards". 29th April, 1988.
- Class 3. Nos. 159713 & 159714. Synthetic Moulders Ltd., 16 Netaji Subhas Road, Calcutta-700001, West Bengal, India, an Indian Company. "Chair". 17th May, 1988.
- Class 3. Nos. 159736 & 159738. La Telemecanique Electrique, French Corporation of 33 bis, Avenue du Marechal Joffre, 92000 Nanterre, France, a "Contactor". 24th May, 1988.
- Class 3. Nos. 159811 & 159812. Preemans Measures Private Limited, Ferozepore Road, Ludhiana-141001, State of Punjab, India. "Measure Tape Case". 14th June, 1988.
- Class 3. No. 159926. Samar Singh Nahar, 7, Nandalal Jiu Road, Calcutta-700026, W. B., India, Indian, "Protective Toe Caps". 8th July, 1988.
- Class 3. Nos. 160084 to 160089. Jaiprakash Juman, Indian National, trading as G. A. G. Trading Co., 320, Avenue Road, Bangalore-560 002, Karnataka, India. "Containers". 5th September, 1988.

Class 3. No. 160090. Jaiprakash Juman, Indian National, trading as G.A.G. trading Co., 320, Avenue Road, Bangalore-560 002, Karnataka, India. "Lid". 5th September, 1988.

Class 4. No. 159610. JG Glass Limited, of Pimpri, Pune-411018, Maharashtra State, India, an Indian Company. "Bottle". 20th April, 1988.

Class 10. No. 159549. Samar Singh Nahar, 7, Nandalal Jiu Road, Calcutta-700026, West Bengal, India, Indian. "Protective Toe Caps". 18th July, 1988.

Class 12. No. 160000. M/s. Indus Airconditioning Pvt. Ltd., of 371, Cadell Road, Prabhadevi, Bombay-400 028, Maharashtra, India, Indian Company. "Circonditioner". 28th July, 1988.

Extn. of Copyright for the Second period of five years.

Nos. 158185, 153433, 158184. Class-1.

Extn. of Copyright for the Third period of five years.

Nos. 158185, 158184. Class-1.

No. 144210. Class-4.

COMPLETE SPECIFICATION ACCEPTED

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163781

Int. Cl.⁴ : F 16 L 21/00.

A SLIP JOINT TUBE CONNECTION.

Applicant : BUNDY TUBING OF INDIA LIMITED, TIAM HOUSE, 28 RAJAJI ROAD, MADRAS-600 001 TAMIL NADU, INDIA.

Inventor : DELBERT L. ADKINS, CLIFFORD D. CLARK.

Application No. 958/Mas/84 filed 6 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras-2.

8 Claims

A slip joint tube connection comprising :

- a first tube; a second tube overfitting said first tube; and
- a locking ring having a bore defined by a first diameter section;
- a spaced second smaller diameter section and an intermediate section which progressively changes in diameter from said first diameter section to said second diameter section; said first diameter section having a diameter greater than the outer diameter of said second tube;
- said second diameter section having a diameter less than the outer diameter of said first tube;
- whereby sliding of said locking ring over said first tube toward said second tube causes radially inward compression of the end of said second tube against said first tube to thereby sealingly interconnect said tubes.

FIG. 1.

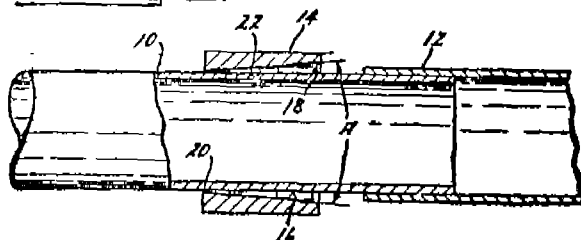
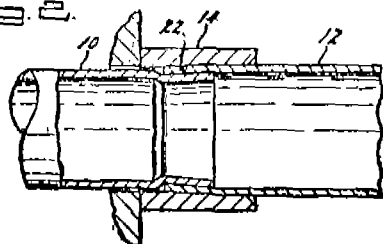


FIG. 2.



Compl. specn. 9 pages.

Drg. 1 sheet

163782

Int. Cl.⁴ : B 22 D 11/14, 17/00.

APPARATUS FOR THE CONTINUOUS VERTICAL CASTING OF METAL PIPES.

Application : PONT-A-MOUSOON S.A., OF 91 AVENUE DE LA LIBERATION, 54000 NANCY, FRANCE.

Inventor : YVES GOURMEL, MICHEL PIERREL.

Application No. 1055/Mas/84 filed 29 December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

11 Claims

Apparatus for the continuous vertical casting of metal pipes comprising :

- a refractory base portion and a cylindrical die with cooling means;
- a truncated conical refractory member upstanding from the base portion and being co-axially disposed within said die, said refractory member being of larger diameter at its lower end than its upper end which extends

higher than the die and defining with the die an annular volume for containing a casting charge of molten metal; and

molten metal supply means having an outlet in communication with a bottom portion of said annular volume.

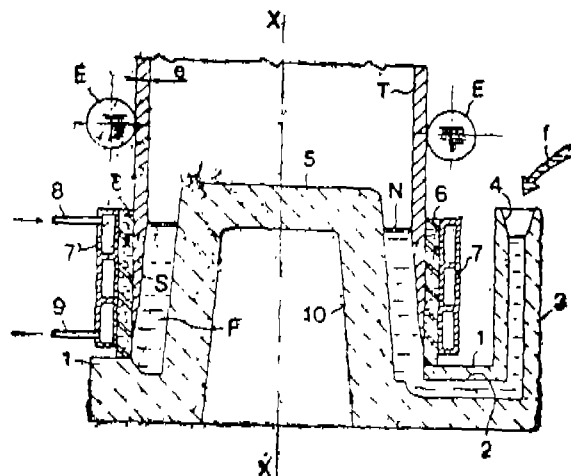


Fig. 1

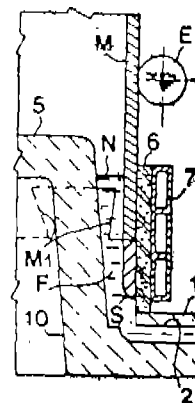


Fig. 2

Compl. specn. 18 pages.

Drg. 3 sheets

163783

Int. Cl.⁴ : B 01 D 11/04

A PROCESS FOR THE DEAROMATIZATION OF A MIXED HYDROCARBON FEED.

Applicant: UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATES OF NEW YORK, OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventor : PAULINO FORTE.

Application No. 13/Mas/85 filed January 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

17 Claims

The process for the dearomatization of a mixed hydrocarbon feed such as herein defined which comprises the following steps :

- (a) contacting said feed in an extraction zone at a temperature of at least 150°C with a mixed extraction solvent such as herein defined to provide a solvent phase containing aromatic hydrocarbons and a raffinate phase containing nonaromatic hydrocarbons;

- (b) cooling said solvent phase;
- (c) introducing said cooled solvent phase to a separation zone maintained at a temperature of 25°C to 200°C, below the temperature of the extraction zone and introducing therewith an effective amount of an anti-solvent such as herein defined for said aromatic hydrocarbons in said mixed extraction solvent to provide an extract phase containing aromatic hydrocarbons and a solvent phase containing mixed extraction solvent and anto-solvent;
- (d) adjusting the anti-solvent in said solvent phase and recycling said solvent phase to the extraction zone of step (a); and
- (e) recovering the extract phase of step (c) and the raffinate phase of step (a).

Compl. specn. 38 pages.

Drg. 2 sheets

163784

Int. Cl.⁴ : C 25 B 11/00.

AN ELECTROLYTIC CELL FOR CARRYING OUT A LIQUID ELECTROLYSIS PROCESS.

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) KARL-HEINZ TETZLAFF, (2) DIETER SCHMID AND (3) JURGEN RUSSOW.

Application No. 25/Mas/85 filed January 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

4 Claims

An electrolytic cell for carrying out a liquid electrolysis process, said electrolytic cell having at least one porous electrode and means for feeding the electrolyte parallel to the surface of the electrode and having at least one restriction means provided on the feed path to force the electrolyte to flow through the porous electrode at least partially parallel to the flow of charge.

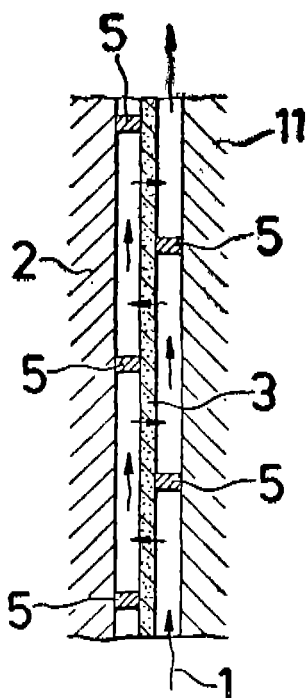


Fig. 1

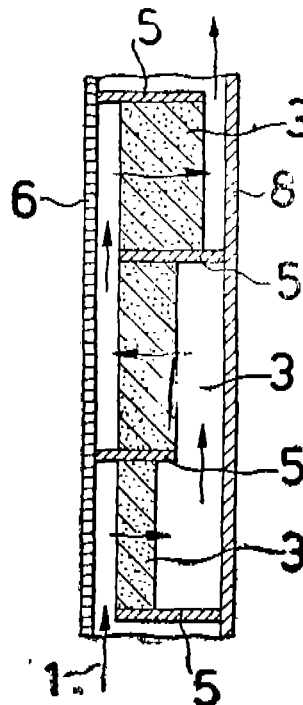


Fig. 2

Compl. specn. 10 pages.

Drg. 2 sheets

Int. Cl.⁴ : C 25 B 11/00.**AN ELECTROLYTIC CELL FOR CARRYING OUT A LIQUID ELECTROLYSIS PROCESS.**

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

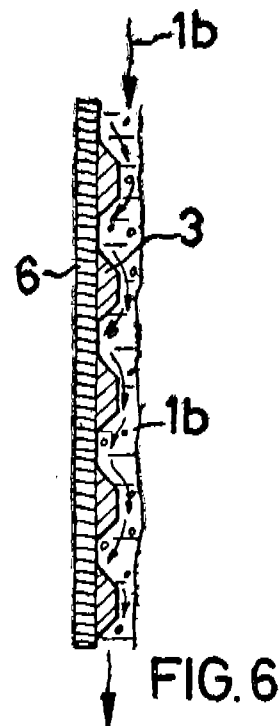
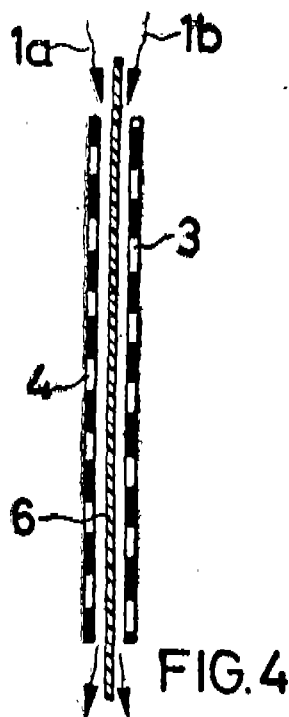
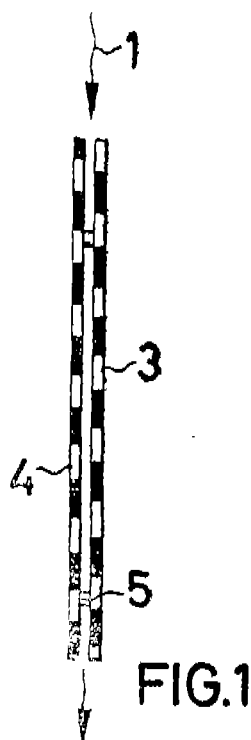
Inventors : (1) KARL-HEINZ TETZLAFF, (2) DIETER SCHMID, AND (3) JURGEN RUSSOW.

Application No. 26/Mas/85 filed January 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

2 Claims

An electrolytic cell for carrying out a liquid electrolysis process in which gas bubbles are formed in the electrolyte, which is non partitioned or partitioned by at least one separator and having an electrode and a counter electrode, in which cell at least one electrode is perforated comprising a gas space located laterally to the main flow space of the electrolyte in which the electrolyte flows by means of gravity through the electrolytic cell to form a phase boundary layer.



Compl. specn. 12 pages.

Drg. 3 sheets

Int. Cl.⁴ : C 25 B 11/00.**AN ELECTROLYTIC CELL FOR CARRYING OUT A LIQUID ELECTROLYSIS PROCESS.**

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED

UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) KARL-HEINZ TETZLAFF, (2) DIETER SCHMID AND (3) JURGEN RUSSOW.

Application No. 27/Mas/85 filed January 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

18 Claims

An electrolytic cell for carrying out a liquid electrolysis process which is non partitioned or is partitioned by at least one separator and has at least one gas diffusion electrode and a counter electrode comprising a gas space laterally to

an electrolyte space with the electrolyte flow by gravity in

a thin layer through the electrochemical cell to wet the gas diffusion electrode at least partially.

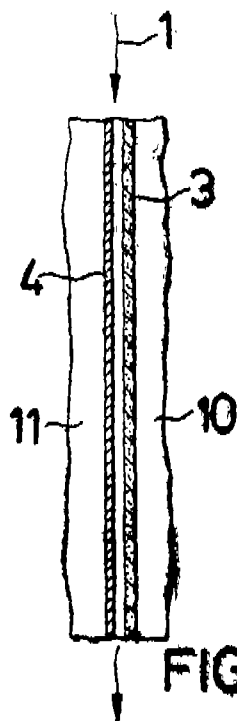


FIG. 1

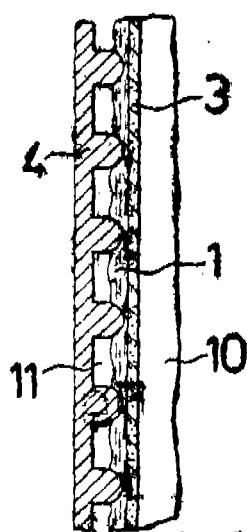


FIG. 3

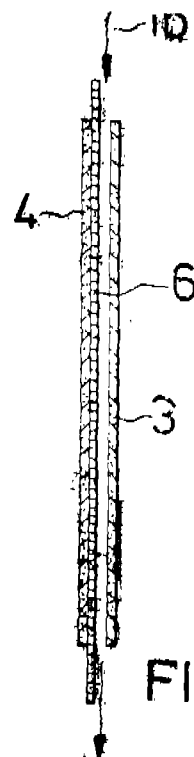


FIG. 5

Compl. specn. 26 pages.

Drg. 5 sheets

Int. Cl.⁴ : F 16G 1/22, 5/16.

163787

42 Claims

POWER TRANSMISSION BELT FOR TRANSMITTING HIGH LOADS.

Applicant : MITSUBOSHI BELTING LTD., A JAPANESE CORPORATION, OF NO. 1-21, 4-CHOME, HAMAZOE-DORI, NAGATA-KU, KOBE-CITY, HYOGO, PREF. JAPAN.

Inventor : HIROSHI TAKANO, SHINICHI TAKAGI, KIYOKAZU WADA, SADAICHI KONISHI, TOMIZOU KANAOKA.

Application No. 49/Mas/85 filed 21 January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

A powder transmission belt for transmitting high loads, said belt comprising:

an elastomeric, looped flat belt portion defining an outer surface and an inner surface;

a tensile cord extending longitudinally in said flat belt portion; and

a plurality of longitudinally, equally spaced blocks mounted to said inner surface of the flat belt portion, each block comprising a core and a rubberized fabric wrapped around said core.

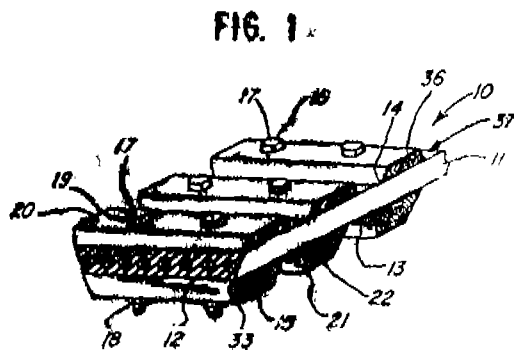


FIG. 1

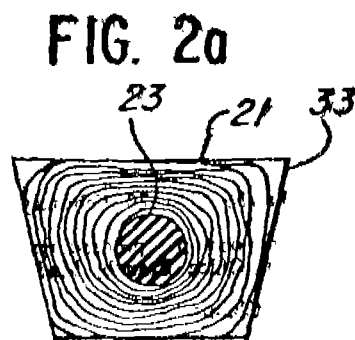


FIG. 2a

Compl. specn. 27 pages.

Drg. 2 sheets

163788

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

Int. Cl.⁴ : F28 D 13/00.

TUBE-TYPE HEAT EXCHANGER.

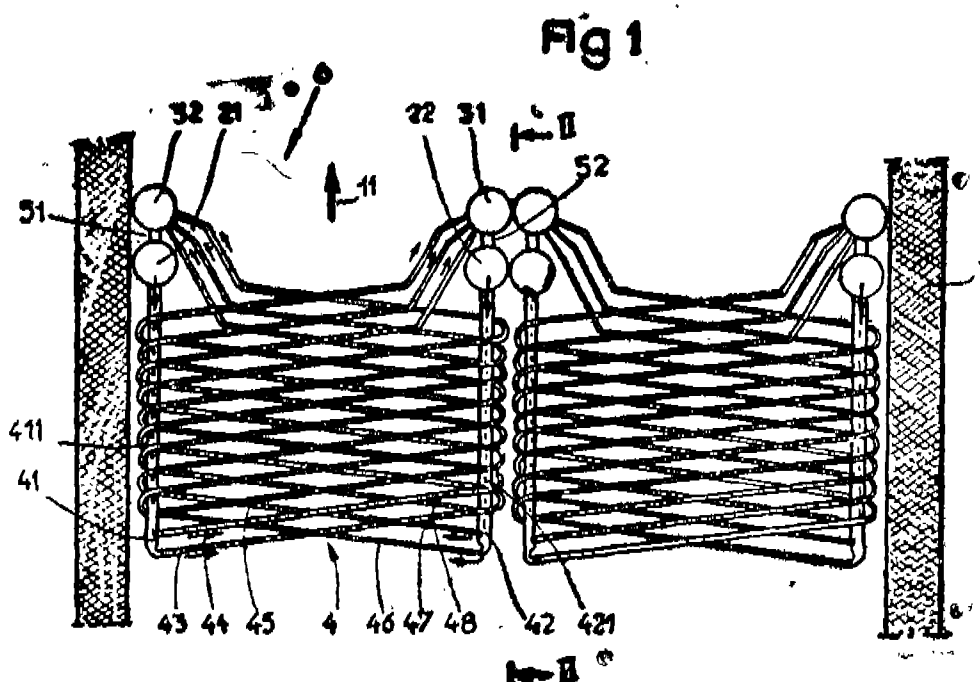
6 Claims

Applicant : FRAMATOME & CIE, A FRENCH BODY CORPORATE OF TOUR FIAT-1 PLACE DE LA COUPOLE, 92400 COURBEVOIE, FRANCE; CHARBONNAGES DE FRANCE, A FRENCH BODY CORPORATE OF 9 AVENUE PERCIER, 75008 PARIS, FRANCE AND INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 1 ET 4 AVENUE DE BOIS PREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventor : DREVILHE JACQUES, LANDET PAUL.

Application No. 84/Mas/85 filed 30 January 1985.

A tube type heat exchanger comprising a plurality of panels (4) of tubes (41 to 48) extending below two inlet headers (21, 22) and two outlet headers (31, 32) to which headers the tubes are connected at upstream and downstream ends thereof, forming thereby two semi-panels, each semi-panel comprising a sub-header tube (41 or 42) vertically connected on one hand to one of said inlet header (21, 22) and on the other hand to at least one tube (43, 44, 45 or 46, 47, 48) having a laced configuration, said tube (43, 44, 45 or 46, 47, 48) forming an envelop in which said sub-header tubes (41, 42) extend and support said laced tubes by means of cantilevered supports (411, 421).



Compl. specn. 11 pages

Drg. 3 sheets

163789

Int. Cl.⁴ : F02 B 15/00.

AN IMPROVED TWO STROKE INTERNAL COMBUSTION ENGINE.

Applicant & Inventor : SHANMUGAM SINGARAVELU, NO. 70 GUJJI NAICKEN STREET, ANNA NAGAR, MADRAS-600 102, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 147/Mas/85 filed 20 February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

4 Claims

An improved two stroke internal combustion engine comprising :

a crank case provided with a fuel inlet port and a cylinder provided with an exhaust port;

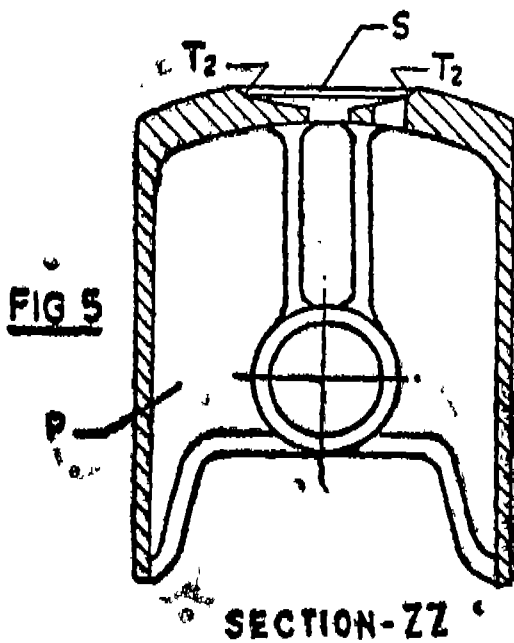
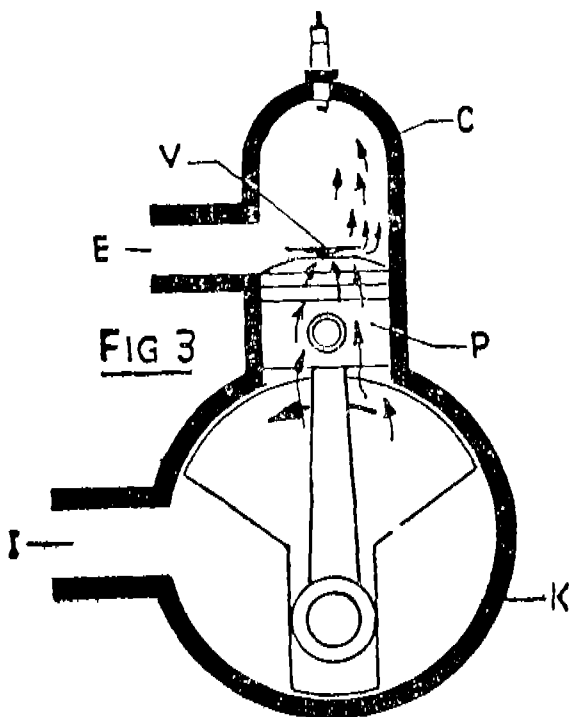
the cylinder housing a piston;

characterised by a freely reciprocable valve member located on a valve seating provided on the top surface of the piston-head;

the valve member having a stem reciprocable in a bore provided in the valve seating; at least one opening on the valve seating in communication with the crank case whereby, during each cycle;

the air-fuel mixture in the crank case enters the cylinder through the opening by lifting the valve member off the valve seating under differential pressure set up in the crank case;

the valve member thereafter reverting to the valve seating to close the opening under the succeeding differential pressure set up in the cylinder.



Compl. specn. 7 pages.

Drg. 1 sheet

CLASS :

163790

Int. Cl.⁴ : B 66 F 11/04.

APPARATUS FOR RAISING AND/OR LOWERING OF LOADS.

Applicant : AIRLEC VEHICLES LTD., OF UNIT 3, HORTON CLOSE, WEST DRAYTON, MIDDLESEX, ENGLAND UB7 8EB, A BRITISH COMPANY.

Inventor : CHRISTOPHER PETER ROSS.

Application No. 247/Mas/85 filed March, 29, 1985.

Convention date : March 30, 1984 (No. 80.08346, Great Britain.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras-2.

Apparatus for raising and/or lowering of loads, the apparatus comprising :

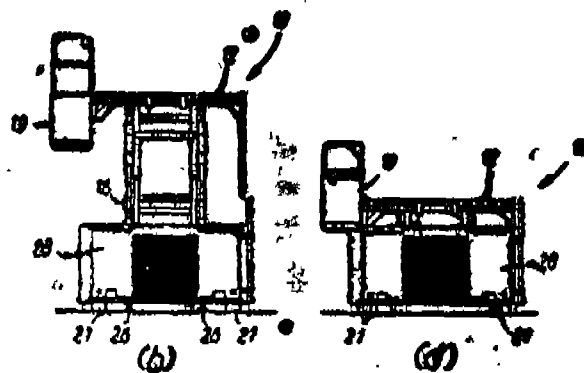
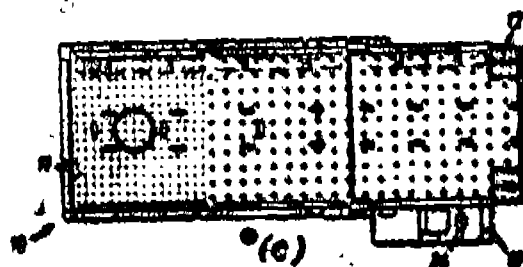
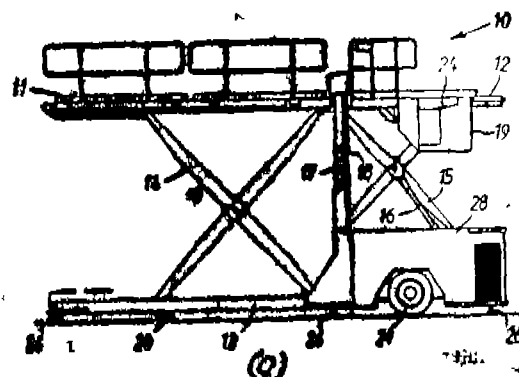
a chasis having a variable height platform;

the platform being connected to the chasis by means for maintaining the platform height;

mechanical lifting means for varying the height of the platform with respect to the chasis;

electric motor drive means connected by transmission means to the mechanical lifting means for raising the platform;

electrical energy storage means for powering the electric motor drive means and control means whereby the electric motor drive means may be switched to electrical generator means to provide retardation of the platform when being lowered and means to direct the electrical energy generated during lowering of the platform into the electrical energy storage means.



Compl. specn. 16 pages.

Drg. 4 sheets

CLASS : 48-E₄.

163791

Int. Cl. : H 02 g 1/00.

APPARATUS FOR ANCHORING CABLES OF HIGH-TENSILE STEEL WIRE.

Applicants & Inventors : (1) PROF. DR. ING. JORG SCHLAICH, OF HASENBERGSTEIGE 63D, 7000 STUTTGART 1, WEST GERMANY. (2) DIPL.ING. RUDOLF BERGEMANN, OF LAUSTRASSE 60, 7000 STUTTGART 60, WEST GERMANY.

Application No. 881/Cal/84 filed on 20th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparatus for preparing pre-stranded members for anchoring cables, bunches, of wire or strands, or the like of preferably high-tensile steel wire, having at least one fixed anchoring sleeve in which one end has been poured in, characterized in that the cable or bunch (12) provided with a twisting is opened at its associated end (14) in such a manner that the opening cone of this end (14) is approximately identical to the inside cone (19) of the anchoring sleeve (16), and that between the thus opened or spread-apart wires (13) or strands, a metallic potting body (57) is inserted, which forms a direct metal-to-metal joint with the wires or strands.

Compl. Specn. 16 pages.

Drgs. 3 sheets.

Int. Cl. : B 65 b 3/00.

163792

IMPROVED AUTOMATIC WEIGHING BAGGING & FILLING MACHINE.

Applicant & Inventor : SRI PRADIP KUMAR ROUTH, ROUTH LODGE, P. O. ARJUNPUR, CALCUTTA-700 059.

Application No. 12/Cal/85 filed on 5th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An improved automatic weighing, bagging & filling machine for automatic weighing, bagging & filling of solids in the form of grains, grass, flakes, dust, powder, mix etc. in succession i.e. in repetition, of the same quantity by volume & hence by weight for unchanged bulk density of the solid, effected by a system comprising of a top cylindrical tube, a leakproof armour top, a bottom cylindrical tube, a multipocketed spool, a shaft, a face end plummur block with bearing a spool arrestor collar ring with split pin, a drive end plummur block with bearing, a bottom most material collecting chute, a coupling, a spring ball impactor, a slow hp. geared motor, a leakproof armour bottom; the said leakproof armour top & leakproof armour bottom being embraced by the top cylindrical tube & bottom cylindrical tube respectively; the said top cylindrical tube & leakproof armour top having a unique top bolted flanged joint to the silo mouth opening or to the silo adaptor mouth opening; the said top cylindrical tube & bottom cylindrical tube joining at an intermediate flanged bolted joint, with the bottom face of top cylindrical tube's bottom flange & the top face of bottom cylindrical tube's top flange mating in a horizontal plane, where the axis of spool shaft mounted on bearings housed in plummur blocks bolted to horizontally levelled base brackets extended at both sides of the bottom cylindrical tube; the said multi-pocketed spool's both side convex vertically truncated spherically band zones being matched with bottom & top values of the vertically concave truncated spherically band seating zones of the leakproof armour top & leakproof armour

bottom respectively to avoid pilferage of materials from spool pockets from sides in longitudinal section of spool; the said multipocketed spool's fine circular tips being matched with horizontally truncated spherically band seating zones of the leakproof armour bottom & leakproof armour top respectively to avoid pilferage of materials from spool pockets from sides in transverse section of spool; the said spool's both end cylindrical noses, with shaft inside the bore of spool, being freely passing through the four circular holes made of 8 members of semicircular holes, four in bottoms of top cylindrical tube & leakproof armour top & four in tops of bottom cylindrical tube & leakproof armour bottom; the said spool having many equivolume equispaced pockets for carrying material from silo to bag underneath, via a conically convergent passage inside the leakproof armour top & a wide circular mouth of the leakproof armour top; the said material flow inside spool's pockets being guided in spool pocket's empty space walled peripherically by the concave spherical surfaces of the leakproof armour top & of the leakproof armour bottom; the said spool's each fin being provided with a square or hexagonal head from plug with thread inserted inside the threaded iron hole in each fin—the square or hexagonal head's volume being such that the desired weighed quantity of solids is obtained in the underneath bag for a whole number (never a fractional number) rotation of the spool pockets against wall-calculated setting of time of run of geared motor with the help of a synchronous timer monitored by an electronic control circuit.

Compl. Specn. 19 pages.

Drgs. 2 sheets.

Int. Cl. : B 64 c 13/00.

163793

A SUPPLY UNIT FOR AIR AND SPACE NAVIGATION TO PROVIDE COMPRESSED AIR.

Applicant & Inventor : BERND JUNG, OF DIESELSTRASSE 22, D-6352 OBER-MORLEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 192/Cal/85 filed on 14th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A supply unit for air and space navigation to provide compressed air, the compressed air being generatable by means of at least one compressor operated by a drive unit, characterized in that the supply unit (10, 30, 42, 56) is mobile and comprises a drive, consisting of a diesel engine or electric motor (12, 32, 44, 58, 76, 110) by which the compressor of radial or axial type (14, 38, 62, 64, 74, 120, 122) is drivable, and an air cycle machine (22, 106, 132) the compressor supplying the air cycle machine (22, 106, 132) with compressed air.

Compl. Specn. 14 pages.

Drgs. 8 pages.

CLASS : 25-D; 35-E.

163794

Int. Cl. : C 04 b 35/00.

ARTICLE OF COMMERCE MADE OUT OF CERAMIC MATERIALS.

Applicant : LANXIDE CORPORATION, TRALEE INDUSTRIAL PARK, NEWARK, DELAMARE 19711, U.S.A.

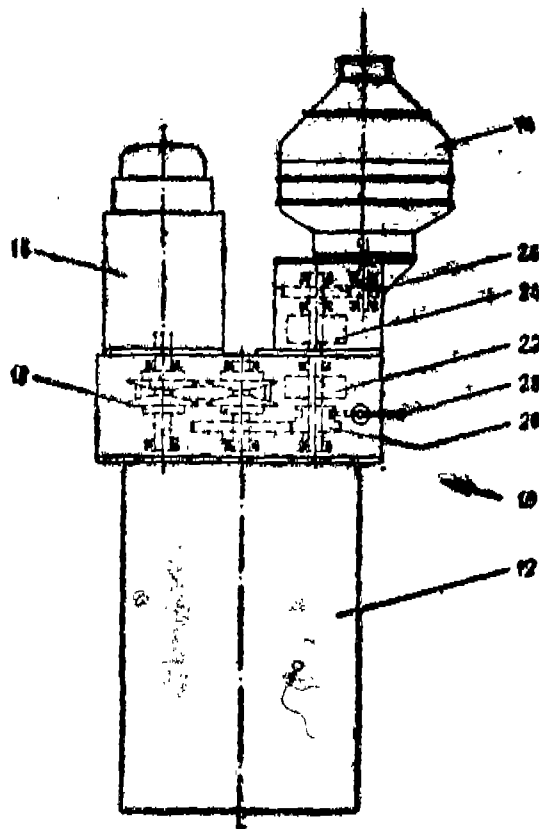
Inventors : 1. MARC STEVENS NEWKIRK, 2. STEVEN FRANK DIZIO.

Application No. 197/Cal/85 filed on 15th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An article of commerce, such as herein described, which is fabricated or otherwise manufactured by methods known per se, from a self-supporting ceramic body comprising polycrystalline ceramic grain structure bonded together by a metallic phase and including at least one of metal channels and voids in at least a portion thereof, and also having crystal lattice misalignments, at its crystalline grain boundaries which are less than crystal lattice misalignments which exist at interfaces between (1) neighbouring crystallites and (2) at least one structural feature selected from the group consisting of metal channels and voids.



Compl. Specn. 39 pages.

Drgs. 12 sheets.

CLASS : 206-A.

163795

Int. Cl. : H 01 q 3/00.

ELECTRONIC TRACKING SYSTEM FOR MICROWAVE ANTENNAS.

Applicant : BRITISH TELECOMMUNICATIONS PLC., OF 81 NEWGATE STREET, LONDON, EC1A 7AJ, ENGLAND.

Inventors : 1. DAVID JOHN EDWARDS, 2. BARRY KENNETH WATSON.

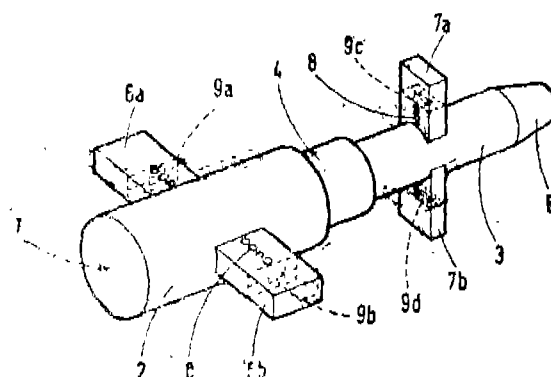
Application No. 440/Cal/85 filed on 12th June, 1985.

Convention date 12-6-84 & 14-6-84 (8414963 & 8415191) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A directive antenna which includes electrical means for modifying the electrical properties of the antenna to provide the antenna with a plurality of discrete reception states the antenna comprising a waveguide adapted to support a fundamental signal propagation mode associated with boresight reception and a plurality of discrete higher order propagation modes associated with the reception states wherein the electrical means comprises a plurality of propagation mode conversion cavities coupled to said waveguide each of which is switchable between a disabled condition in which it has little effect on the mode of propagation of the waveguide and an enabled condition in which it displaces the direction of optimum reception from the boresight to a predetermined off-boresight direction.



Compl. Specn. 25 pages.

Drgs. 6 sheets.

CLASS : 116-C & G.

163796

Int. Cl. : B 65 g 29/00; F 17 d 1/00.

MOBILE PIPE CONVEYOR SYSTEM.

Applicant : BRIDGESTONE CORPORATION, OF 10-1 KYOBASHI 1-CHOME, CHUO-KU, TOKYO, JAPAN.

Inventors : 1. KUNIO HASHIMOTO.

Application No. 513/Cal/85 filed on 11th July, 1985.

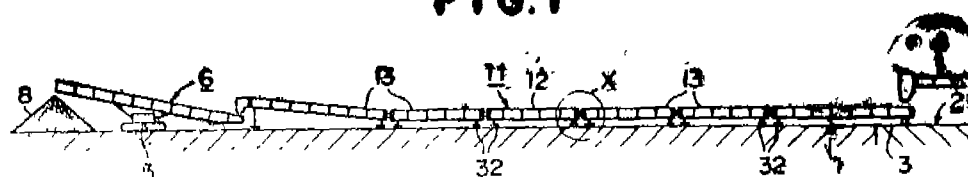
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A mobile pipe conveyor system characterized by comprising a frame being divided in longitudinal direction into a plurality of divided frame members, said frame members being connected in line with each other by universal joints; and

means for limiting bend angle of said conveyor provided onto facing surfaces on both sides of the conveyor.

Compl. Specn. 13 pages. Drgs 4 sheets.

FIG. 1



Class 32-F 2.

163797.

Int. Cl. C 07 c 143/42, 143/44, 143/46.

A PROCESS FOR PREPARING SUBSTITUTED PHENYL HYDROXYETHYL SULFONES.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

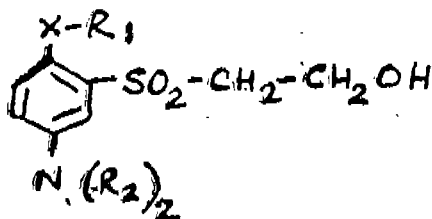
Inventors : 1. HERMAN FUCHS, 2. THEODOR PAPPENFUHS, 3. WERNER BRODT, 4. FOLKER KOHLHAAS.

Application No. 516/Cal/85 filed July 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for preparing compounds of the formula (1) of the accompanying drawings.

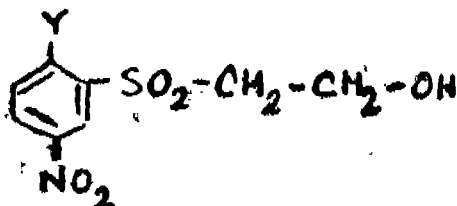


Formula 1

in which X denotes a sulfur atom or the group $\overset{\text{N}}{\text{R}}$ in which R denotes a hydrogen atom, an alkylene- C_1 - C_4 -alkoxy- C_1 - C_6 -group, each of which can be substituted by hydroxyl, sulfo, carboxyl or cyano groups, R_1 denotes a hydrogen atom or an alkyl- C_1 - C_6 -group which can be substituted by $-\text{SO}_3\text{M}$ or COOM groups (where M denotes an H, Li, Na, K or $\frac{\text{Ca}}{2}$ atom),

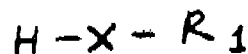
hydroxyl, amino, methylamino, acetylamino, alkyl- C_1 - C_4 -sulfonyl-amino, methoxy, ethoxy, β -hydroxyethylsulfonyl phenyl, monosulfophenyl, disulfophenyl, or 4-[β -hydroxy ethyl-sulfonyl-2-sulfophenyl groups, or represents a phenyl or naphthyl group, each of which can be substituted by $-\text{SO}_3\text{M}$ or COOM groups (where M denotes an H, Li, Na, K or $\frac{\text{Ca}}{2}$ atoms).

alkyl- C_1 - C_4 -, alkoxy- C_1 - C_4 -, amino, methylamino, alkyl- C_1 - C_4 -sulfonylamino or acetylamino groups, and R_2 represents a hydrogen or oxygen atom, which comprises reacting a compound of the formula (2)



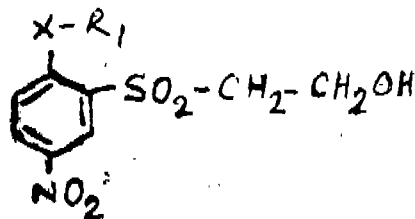
Formula 2

in which Y denotes a chlorine or bromine atom, with a compound of the formula (3)



Formula 3

in which X and R_1 have the abovementioned meanings, at temperatures between 20 and 90° C in a solvent such as herein described which is suitable in respect of the reactants of the stated formulae (2) and (3) and in the presence of an acid-binding agent such as herein described to give compounds of the formula (4) in which X and R_1 have the above mentioned meanings, and if desired reducing this compound in a manner known per se to the compounds of the stated formula (1) where R_2 -H.



Formula 4

(4) Compl. Specn. 20 pages. Drg. 2 Sheets.

Class. 133-B.

163798.

Int. Cl. G 05 b 19/00.

SWITCHING SYSTEMS.

Applicant : WESTING HOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventor : I. KENNETH ROBERT PELOWSKI.

Application No. 869/Cal/85 filed December 4, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Claim 1

A switching system including a switching failure indicator for controlling an electrical power to a load system remains which in a predetermined load state for a predetermined minimum time duration after the electrical current there for ceases to flow and which changes load state after said minimum time unless said power is earlier reapplied, comprising :

switching means with a control terminal interconnectable with said load system and a power supply for causing electrical conduction in said load system when turned on and for causing said electrical conduction to cease when turned off, said switch means having a test terminal on which exists a

first voltage level when said switching means is on and a second voltage level when said switching means is off;

control means connected with said control terminal for causing said switch to turn on and off as desired; characterized by

simulating means interconnected with said control terminal for providing a periodic overriding off signal of predetermined duration and period of repetition when said switch means is on, said predetermined duration being less than said minimum time duration;

failure detector means including capacitive means with a charging path and a discharging path interconnected with said test terminal, said capacitive means being interconnected with a voltage sensitive indicator means which provides a fault indication if the voltage on said capacitive means attains a predetermined voltage value, said capacitive means being charged through said charging path toward said predetermined voltage value from said test terminal when said first voltage level exists on said test terminal and being discharged generally instantaneously to said test terminal when said second voltage level exists on said test terminal, a time constant of said charging path relative to the period between each said periodic overriding off signal being such that said predetermined voltage value for said voltage sensitive indicator is not reached because said capacitive means is discharged each time prior thereto unless said controllable switch means does not correspondingly switch off at the beginning of each said periodic off signal, in which case said capacitive means will not be discharged causing said voltage value for said voltage sensitive indicator to be attained, thus causing said indicator means to indicate a failure.

Compl. Specn. 27 pages.

Drgs. 4 sheets.

CLASS : 39J; 139-A; 153.

163799

Int. Cl. : B 30 b 11/32; C 01 b 21/06, 31/06;

C 22 c 29/00.

CONTRIVANCE FOR HIGH-TEMPERATURE COMPACTING OF DIAMOND OR CUBIC BORON NITRIDE-BASE COMPOSITE MATERIAL.

Applicant : INSTITUT SVERKHTVERDYKH MATERIALOV AKADEMII NAUK UKRAINSKOI SSR, OF KIEV, ULITSA AVTOZA VODSKAYA, 2, USSR.

Inventors : 1. NIKOLAI VASILIEVICH NOVIKOV, 2. ALEXANDR IVANOVICH BORIMSKY, 3. IVAN FEDOROVICH VOVCHANOVSKY, 4. PETER ARSENIIVICH NAGORNY, 5. EDUARD SEMENOVICH SIMKIN, 6. NEKHEMYAN VENIAMINOVICH TSYPIN.

Application No. 52/Cal/86 filed on 25th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A contrivance for high-temperature compacting of diamond-base or cubic boron nitride-base composite material comprising a pair of dies, a container located in the cavity of the dies, a sealing means girdling the container from the outside in a cone between the two dies, a graphite sleeve contained in the container, a blank in a composite material located in the graphite sleeve coaxially with the container and means of applying current located at either end face of the blank, wherein a sleeve in a metal-base material is contained in an annular space formed by the outward wall of the graphite sleeve and the wall of the container.

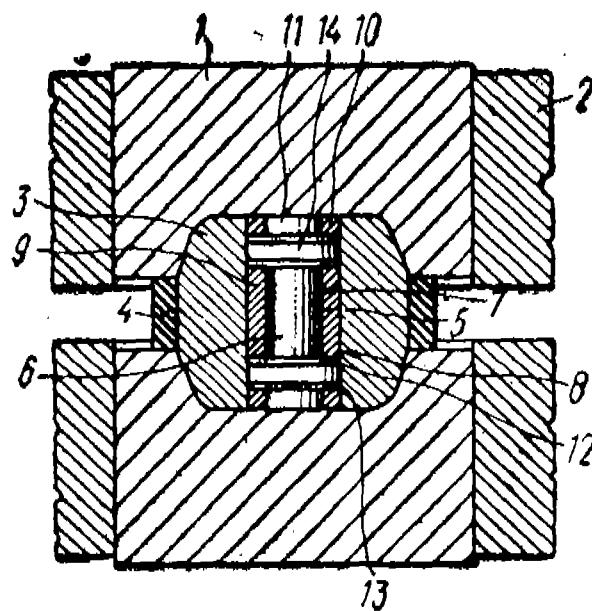


FIG. 1

Compl. Specn. 11 pages.

Drg. 1 sheet.

Int. Cl. : D 06 c 27/00, 29/00.

163800

A PROCESS OF MANUFACTURING THE FIRE-ROT-MILDEW RESISTANT CARPET BACKING FABRIC (SECONDARY) BY TREATMENT AT THE BATCHING STAGE.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventor : 1. AMAL KUMAR MUKHERJEE, 2. SHYAMA PADA MONDAL.

Application No. 756/Cal/86 filed on 16th October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

CLASS : 60-B₃; 122.

163802

A composition for treatment of jute fabric such as carpet backing fabric or fibre from which carpet backing fabric is prepared to render said fabric or fibre fire, mildew and rot resistant, comprising :

Sodium salts of boric acid	0.5—2.0%
Boric acid	0.3—1.0%
Ammonium salts of phosphoric acid	1.0—2.0%
Sodium salts of phosphoric acid	0.5—1.5%
Salts of copper	2.5—5.0%
Sodium salts of Silico Fluoride	0.03—0.1%

preferably also including 0.05 to 0.2% of a softner as hereinbefore described, all percentages being solid chemical add-on on the weight of the fibres.

Compl. Specn. 10 pages.

Drg. Nil.

Int. Cl. : B 03 c 7/02.

COLLECTING ELECTRODES FOR DUST COLLECTORS.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT. REUTERWEG 14, D-6000 FRANKFURT AM MAIN FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HELMUT GILIES, 2. WILHELM LEUSLER.

Application No. 123/Cal/85 filed on 21st February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Profiled sheet metal strips which are substantially W-shaped in cross-section and are assembled to form vertically suspended collecting electrodes, in dust-collecting electrostatic precipitators to define gas passages through which gas is adapted to flow in a horizontal direction, and in which corona electrodes are provided characterized in that :

- each of said strips comprises portions (13) which are inclined alternately in opposite directions with respect to the direction of gas flow (20), and parallel portions (14) which are disposed between the inclined portions (13) and extend parallel to the direction of gas flow (20),
- the end portions (14a) of the strips are also parallel to the direction of gas flow (20) and at their ends are reversely bent to form U-shaped hook strips (8, 9),
- the smaller angle (12) between the inclined portions (13) and the parallel portions (14, 14a) of the sheet metal strips (5) is at least 150°,
- the vertical distance (1) between parallel portions (14) disposed oppositely is from 8 to 13% of the center spacing (3) between two adjacent collecting electrode walls,
- the center distance (6) of two consecutive apices of the strip facing in the same direction amounts to 40 to 70% of the center spacing (3) of two adjacent collecting electrode walls,
- each parallel portion (14) which is disposed between two inclined portions (13) has a length (7) of from 8 to 13% of the center spacing (6) of two apices facing in the same direction,

CLASS : 39-K.

163801

Int. Cl. : C 01 b 39/16.

A PROCESS FOR THE MANUFACTURE OF SPHERICAL/BEAD TYPE SILICA GEL.

Alicant : PROJECTS & DEVELOPMENT INDIA LTD., OF C. I. E. T. BUILDINGS, P. O. SINDRI, PIN-828 122 DIST. DHANBAD (BIHAR), INDIA.

Inventors : 1. JAI SHANKAR DUBE, 2. NARAYAN RANGACHARI, 3. SRINIVASA RANGANATHAN, 4. SATYENDRA VARMA.

Application No. 670/Cal/84 filed on 22nd September, 1984.

Complete Specn. left on 19th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

An improved process for the manufacture of spherical/ Bead Type Silica Gel which comprises subjecting a cooled solution of sodium silicate to reaction at temperatures not exceeding 10°C with cooled mineral acid to form silica sol, discontinuing the reaction when the pH of the reaction medium is in the region of 5.2 to 5.4, followed by passing said silica sol through a hot oil column maintained at temperature of 70 to 90°C to form said silica sol due to gelation, collecting the beads in an aqueous solution of a mineral acid maintained at a pH of 1 to 4 and thereafter subjecting the so obtained beads to washing and finally subjecting the washed beads to drying at temperature of around 50°C and then curing the beads at temperatures not exceeding 200°C.

Provd. Specn. 4 pages.

Drg. Nil.

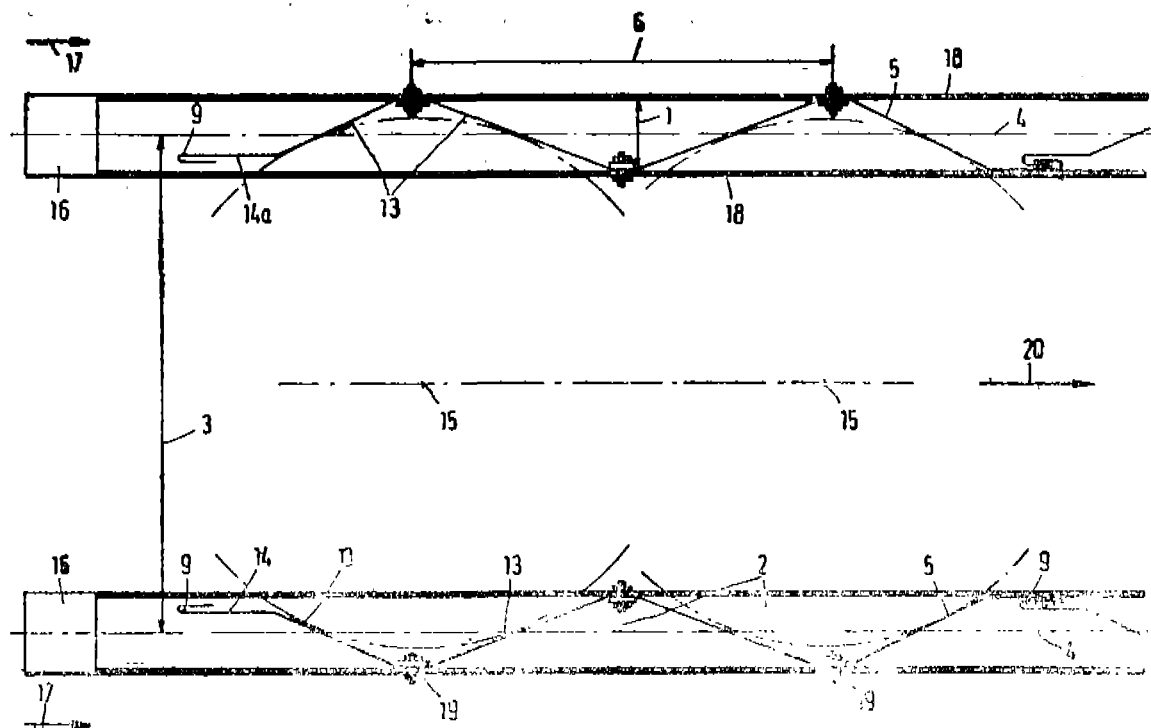
Compl. Specn. 11 pages.

Drg. Nil.

(g) the reversely bent end portion of the strip defines a clearance (8) which is four to five times the thickness (10) of the sheet metal strip (5) and

(h) the overall length of the reversely bent portion is about one time to 1.2 times the length (7) of each parallel portion (14).

Fig.1



Compl. Specn. 18 pages.

Drgs. 2 sheets.

CLASS : 172-A, E & D₁.

163803

provided for suspending the bobbin holder in a spinning frame creel structure.

Int. Cl. : D 01 h 1/16, 1/18.

BOBBIN HOLDER.

Applicant & Inventor : PRAVIN LALJIBHAT WADHWANA, C/o. INTERNATIONAL TRADING CO., 13, BHABOURNE ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

Application No. 313/Cal/85 filed on 25th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A bobbin holder comprising a hollow cylindrical main body portion, the lower end of which is closed and has a pair of diametrically opposed slots extending from the closed lower end slightly above the body portion, a collar provided around the said main body adapted to be raised and lowered for actuating a pair of legs adapted to protrude and retract through the said slots of the main body, characterised in that the upper end of the main body portion is flared such as to provide a shoulder, a lever holder provided within the said main body fitted against the tension of a tension spring held by a seal in the flared portion of the main body, the lever holder provided with a rotor capable of being actuated by a spring strip, means provided for preventing ingress of fluff, lint or dust within the body of the bobbin holder and means

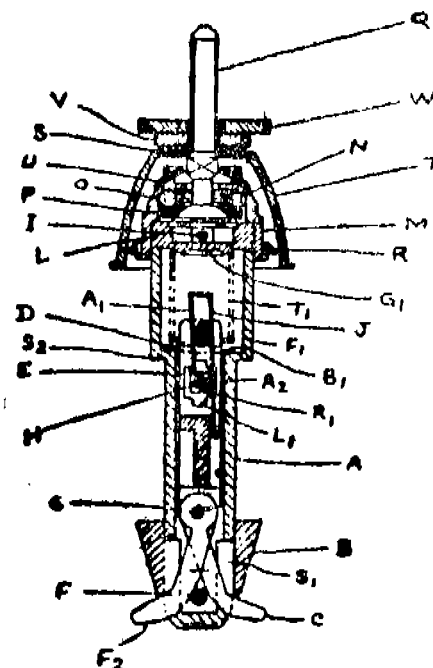


Fig. 1

CLASS : 153.

163804

Int. Cl. : B 24 d 3/00, 17/00;

C 09 k 3/14.

AN ABRASIVE SURFACED ARTICLE AND METHOD OF PREPARING THE SAME.

Applicant : UNITED TECHNOLOGIES CORPORATION,
AT 1 FINANCIAL PLAZA, HARTFORD, CONNECTI-
CUT 06101, U. S. A.

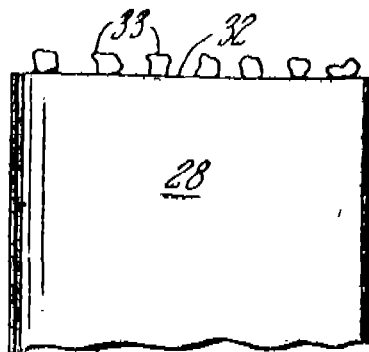
Inventors : 1. ALFRED PIO MATARESE, 2. HARRY
EDWIN EATON, 3. RICHARD CHARLES NOVAK, 4.
JAMES MICHAEL GOODMAN.

Application No. 465/cal/85 filed on 21st June, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

27 Claims

An abrasive surfaced article comprises of a substrate to the surface of which is adhered an abrasive material comprises of alloy or superalloy matrix and ceramic particulates, the preponderance of the ceramic particulates, the preponderance of the ceramic particulates expending through the matrix from the substrate surface to a surface of the abrasive material.

FIG. 1

Compl. Specn. 33 pages.

Drgs. 2 sheets.

CLASS : 126-D.

163805

Int. Cl. : G 01 h 11/00.

TURBINE BLADE VIBRATION DETECTION APPARATUS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION,
OF WESTINGHOUSE BUILDING, GATEWAY
CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventor : 1. MICHAEL CRISANGIO LUONGO.

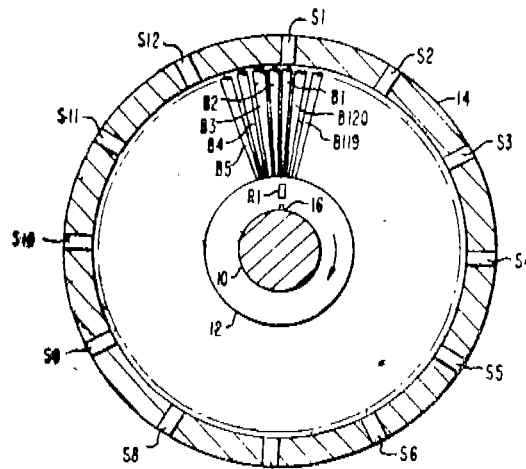
Application No. 703/Cal/85 filed October 4, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

Blade vibration detection apparatus for detecting vibration of a blade in a rotating blade row of a rotating machine comprising a plurality of sensors disposed about said blade row with each sensor being operable to provide an output signal upon relative passage of a blade, signal conditioning means

responsive to said sensor output signals and operable to provide respective corresponding sensor pulse signals, means for selecting a particular blade to be monitored, means for sequentially combining all of the sensor pulse signals caused by said selected blade as it passes the respective sensors, to derive a pulse train signal modulated as a function of any vibration of said selected blade, and detection circuitry including EM detection means operable to demodulate said pulse train signal to derive a blade vibration indicative signal.

**FIG 1**

Compl. specn. 20 pages.

Drgs. 8 sheets

CLASS : 71-F & G; 131-A₂.

163806

Int. Cl. : E 21 b 7/12, 15/02.

AN APPARATUS FOR HANDLING AN UNDERWATER ASSEMBLY.

Applicant : MITSUI OCEAN DEVELOPMENT & ENGINEERING CO., LTD., OF 3-1, HITOTSUBASHI 2-CHOME,
CHIYODA-KU, TOKYO, JAPAN.

Inventor : 1. HIROMITSU TATEISHI.

Application No. 836//Cal/85 filed November 26, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

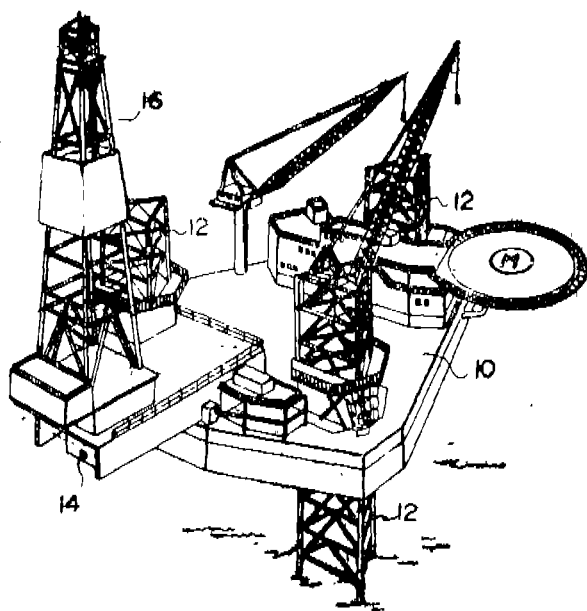
An apparatus of handling an underwater assembly by an offshore jack-up drilling rig having a plurality of legs and a cantilever working deck slidably mounted on a platform thereof comprising :

- means for lowering down said legs to the ocean floor at a position adjacent to a template provided on shore, lifting up said jack-up drilling rig above the surface of a body of water, extending said cantilever working deck from said rig to over said template provided on the shore;
- means for mounting said template on the underside of said cantilever working deck and returning said working deck together with said template back to the original position within said jack-up drilling rig;
- means for lifting up said legs from the surface of a body of water and towing said rig to a preselected drilling position;
- means for lowering down said legs from said rig to on the ocean floor and lifting up said platform above the surface of a body of water;

(e) means for extending said cantilever working deck together with said template from said platform to over the surface of a body of water; and

(f) means for lowering down said template to on the ocean floor.

FIG. 1



Compl. specn. 10 pages.

Drgs. 6 sheets

CLASS : 129 G.

163807

Int. Cl. : B 25 j 15/00.

TOOL-MOUNTING ASSEMBLY HAVING AN EXCHANGABLE TOOL HEAD.

Applicant : FRIED, KRUPP GESELLSCHAFT MIT BESCHÄNKTER HAFTUNG, OF ALTENDORFER STRASSE 103, D-4300 ESSEN 1, WEST GERMANY.

Inventors : 1. HANS TACK, 2. KURT MAYER.

Application No. 217/Cal/86 filed March 18, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

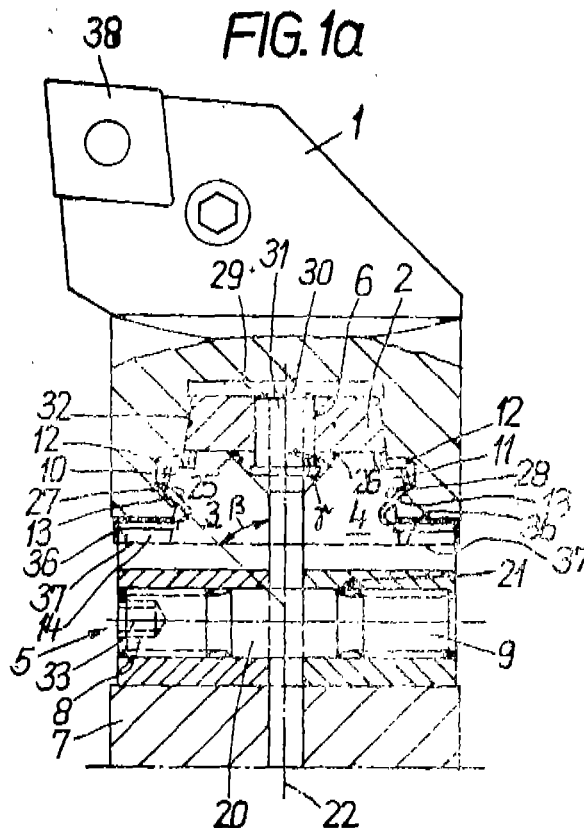
27 Claims

A tool-mounting assembly, comprising :

a tool head having a receiving bore with an opening and a bore axis which extends through said opening, said bore having a groove with a slide face which extends at an acute angle to said bore axis, said tool head additionally having extending perpendicularly to said bore axis; and

a basic tool holder having a receiving pin configured for insertion into said receiving bore, said receiving pin having a pin axis which coincides with said bore axis when said receiving pin is inserted into said receiving bore, having at least one frontal face disposed around said receiving pin, and having externally actuated clamping device means for selectively clamping said at least one frontal face of said tool head to said at least one frontal face of said basic tool holder when

said receiving pin is inserted into said receiving bore, wherein said receiving pin includes a plurality of clamping elements that are mounted for movement that is generally radial with respect to said pin axis, each clamping element having a clamping lug with a slide face which is configured to engage said slide face of said groove, and wherein said clamping device means includes means for selectively forcing said clamping elements away from said pin axis to press said slide faces of said clamping elements against said slide face of said groove.



Compl. specn. 32 pages.

Drgs. 7 sheets

CLASS : 23 E

163808

Int. Cl. : B31d 3/04 B65d 65/38.

A PEEL OFF PACKAGE.

Applicant & Inventor : ISHWAR PRAKASH AGRAWAL, AN INDIAN NATIONAL OF MOHALLA DALALGANJ, DISTT. SHAHJAHANPUR, U.P. INDIA.

Application for Patent No. 36/Del/84 filed on 11th January, 1984.

Complete Specification left on 9th April, 1985.

Addition to Patent No. 116/Del/83 filed on 23rd February, 1983.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A peel off package comprising :

an upper sheet adhered to a lower or base sheet;

at least one of said sheets consisting of a known low density polyethylene;

said sheets adhered to each other along a sealing zone and wherein at least one of said sheets is rubbed with a compatible powder so as to improve the peeling off properties.

Provisional specn. 4 pages.

Compl. specn. 5 pages.

Drg. 1 sheet

CLASS : 56F & 152F

163809

Int. Cl. : C08h 13/00 & C10b 47/00.

A METHOD OF PRODUCING A PSEUDO PLASTIC PRODUCT.

Applicant : PENTANYL TECHNOLOGIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF COLORADO, U.S.A., OF 11728 HIGHWAY 93, BOULDER, COLORADO 80303, UNITED STATES OF AMERICA.

Inventors : RICHARD LEROY BAIN, CHARLES MELVIN RASTLE, CLIFFORD ROGER PORTER & HERBERT DAVIS KAESZ.

Application for Patent No. 187/Del/84 filed on 29th February, 1984.

Appropriate office for opposition proceedings (Rule 4,) Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A method of producing a pseudo plastic product which is solid at room temperature, having reduced sulfur and ash content and useful as a fuel or coke substitute, said method comprising :

liquefying coal by reacting the coal with a polar solvent solubilizing agent such as herein described and an aqueous solution containing inorganic ionic compounds of metal selected from alkali and alkaline earth metals such as herein described wherein said solubilizing agent in major amount (more than about fifty per cent by weight) comprising a phenol, polycyclic phenol, substituted phenol and mixtures thereof, and a minor amount (less than about fifty per cent by weight) of a polycyclic aromatic hydrocarbon, partially hydrogenated polycyclic aromatic hydrocarbon, fully hydrogenated polycyclic aromatic hydrocarbons having from 1 to 4 carbon rings, and mixtures thereof, and carbonaceous material derived solvents;

said inorganic ionic compounds being dissolved in water; removing in a manner such as herein described non condensable gases from the reaction medium;

removing in a manner such as herein described alkaline compound containing solids from said reaction medium; removing in a manner such as herein described dissolved inorganic compounds from said reaction medium and distilling the residual oil product in a manner such as herein described to produce a solubilizing agent capable of being used directly in a ionic coal liquefaction process and a pseudoplastic product useful as a fuel or coke substitute.

Compl. specn. 74 pages.

Drg. 13 sheets

CLASS : 32F₂ (c)

163810

Int. Cl. : C07c 89/00.

A PROCESS FOR THE SEPARATION OF STIGMASTEROL DERIVED PRODUCTS OF 22S, 23S AND 22R, 23R ISOMERS OF 22, 23-DIHYDROXY-24S-ETHYL-3 α -5-CYCLO-5 α -CHOLESTAN-6-ONES FROM PHYTOSTEROLS OF SUGARCANE WAX.

Applicant : COUNCIL OF SCIENTIFIC AND INDUS-

TRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJAT BARAN MITRA, VIJAYA MUNI-LAL KAPOOR & BRAJA GOPAL HAZRA.

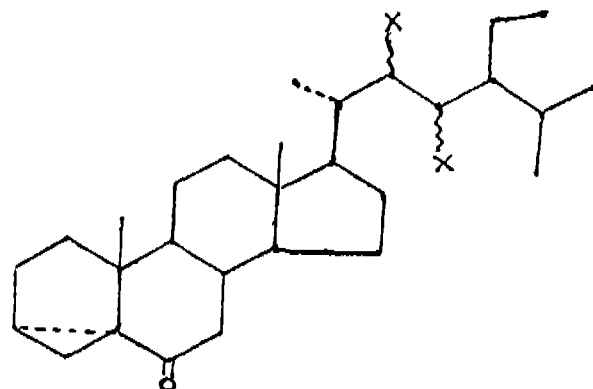
Application for Patent No. 506/Del/84 filed on 21st June, 1984.

Complete specification left on 31st July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the separation of stigmasterol derived products of 22S, 23S and 22R, 23R isomers of 22, 23 dihydroxy-24S-ethyl-3 α -5-Cyclo-5 α -cholesten-6-one of the formula I



wherein X represents hydrogen, hydroxy 22S, 23S and 22R, 23R which comprises to sulating phytosterol mixture of sugarcane wax comprising predominantly stigmasterol, sitosterol, campesterol and traces of other sterols and trietpermoi's by known methods, hydrolysing the resultant product, by known methods, subjecting the resultant 3 α -5-cyclo-6- β -el to Jones oxidation to produce a mixture of 3 α -5-cyclo-6-keto steroid, hydroxylating the said resultant mixture by using osmium tetroxide and N-methyl morpholine oxide as catalyst, to produce unreacted ketone of the formula I wherein X represents as given above and separating the above-stated isomers filtration and chromatography on silica gel.

Provisional specification 4 pages.

Drg. 1 sheet

Compl. specn. 9 pages.

CLASS : 206 E 29 (C+D)

163811

Int. Cl. : G06f 15/16.

APPARATUS FOR PROVIDING PARALLEL SYNCHRONOUS OPERATION OF A FIRST AND SECOND MICROPROCESSOR OF A COMPUTER SYSTEM.

Applicant : TELEFONAKTIEBOLAGET LM ERICSSON, A SWEDISH COMPANY OF S-126 25 STOCKHOLM, SWEDEN.

Inventor : GOSTA INGVAR SUNDELL.

Application for Patent No. 206/Del/85 filed on 12th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Apparatus for providing parallel synchronous operation of a first and second microprocessor in a computer system which comprises :

a system clock connected to the input of the clock counter of one of said microprocessors so that the clock frequency of the microprocessors is obtained by the internal division of the frequency of said system clock;

a switch for breaking and establishing a system clock signal path to the clock input of said second microprocessor;

the output of said switch being connected to the input of the clock counter of said second microprocessor and the input of said switch being connected to said system clock and a logical circuit for controlling said switch;

the two inputs of said logical circuit being connected to the clock outputs of said microprocessors so that when the signals on the inputs of said microprocessors are different;

the logical circuit causes the switch to break the system clock signal path, while when the signals on the clock outputs of said microprocessors are the same;

said logical circuit causes said switch to establish said path, so as to establish parallel synchronism of operation between said microprocessors.

Compl. specn. 7 pages.

Drg. 2 sheets

CLASS : 68 D

163812

Int. Cl. : H02h 9/00.

APPARATUS FOR GENERATING A SIGNAL INDICATIVE OF A FAULT OCCURRING IN AN ELECTRIC CIRCUIT CONNECTED TO AN AC POWER SYSTEM.

Applicant : CGEE ALSTHOM, A FRENCH COMPANY, OF 13, RUE ANTONIN RAYNAUD, 92309 LEVALLOIS-PERRET, FRANCE.

Inventor : PATRICK CHARLES.

Application for Patent No. 387/Del/85 filed on 7th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

Apparatus for generating a signal indicative of a fault occurring in an AC electric circuit connected to an AC power system, said AC circuit being constituted by first and second terminals for connection to said AC power system and, extending between said terminals a series connection including at least an inductance winding and a two-way static switch having thyristors controlled by firing pulses O , and the capacitive impedance and the resistive impedance of said AC circuit being negligible relative to its inductive impedance L , the apparatus comprising :

a differential relay receiving first and second input signals which are different images of the current flowing through said AC circuit, said differential relay providing an output signal indicative of a fault when said input image signals are unequal;

a current transformer having a primary winding connected in said AC circuit and having a secondary winding connected to provide said first image signal which is thus a real image of the current actually flowing through said AC circuit;

a voltage transformer having a primary winding connected to receive the driving voltage across said and second terminals of said AC circuit and having a secondary winding to provide a signal u which is an image of said driving voltage; and

a current image signal generator circuit connected to receive said voltage image signal u and said thyristor firing pulses O , and to generate a theoretical image signal representative of the current which said driving voltage would drive through an inductance impedance L connected in series with thyristors fired by said firing pulses O in the absence of faults in said inductance winding and in said static switch, said theoretical image signal being applied to said differential relay as said second input signal thereto, and said voltage and current transformers being scaled so that said real and theoretical image signals as applied to said differential relay are both to the same scale.

Compl. specn. 9 pages.

Drgs. 2 sheets

Slip No. 54-55

CLASS :

163813

Int. Cl. : B 65 D 83/14.

A CONTAINER WITH A CAP MEMBER AND A RE-USABLE DISPENSING UNIT TO BE FILLED IN THE CONTAINER NECK PORTION FOR STORING AND DISPENSING CARBONATED BEVERAGES.

Applicant & Inventors : RICHARD JAMES HAGAN AND DENNIS ALAN LEMPET, BOTH U.S. CITIZENS OF 444 LAUREN STREET, SAN CARLOS, CALIFORNIA 94070, UNITED STATES OF AMERICA AND 11642 DAWSON DRIVE, LOS ALTOS HILLS, CALIFORNIA 94002, UNITED STATES OF AMERICA, RESPECTIVELY.

Application for Patent No. 415/Del/85 filed on 18th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

19 Claims

A container with a cap member and a re-usable dispensing unit to be fitted in the container neck portion for storing and dispensing a carbonated beverage comprising in combination :

a substantially non-frangible container capable of safely withstanding in excess of three atmospheres of pressure;

said container having a longitudinal axis and being integrally formed with a neck portion having an internal annular wall having a substantial surface area generally parallel to said longitudinal axis;

a normally closed valve means having an external annular wall sealingly connected to said internal annular wall of said container neck portion and mounted substantially within said container neck portion for maintaining gas pressure of at least three atmospheres and having a passage formed therein adapted for receiving a valve actuating member;

said external annular wall of said valve means being fixedly attached to said internal wall of said neck portion;

a syphone tube mounted within said container;
said syphone tube having a distal end adjacent the bottom of said container and an end operatively connected to said valve means;

said cap member being removable head member;

integrally formed threads at said neck portion adapted both for removably and directly fixing the re-usable dispensing unit being the head member to said neck portion over said opening;

the removable head member having mating threads integral with said head to attach said removable head directly to said threads at said neck portion over said opening in said container to dispense the carbonated beverage from the container;

said head providing a manually operable means for temporarily opening said normally closed valve by actuation of the valve actuating member for dispensing carbonated beverage from said container; and

a threaded cap capable of safely withstanding in excess of three atmospheres pressure;

said cap being attachable to said neck portion by engagement with the neck portion threads alternatively to said removable head member.

Compl. sepcn. 38 pages

Drgs. 16 sheets

CLASS :

163814

Int. Cl.⁴ : F 04 B, 43/14.

SCROLL TYPE FLUID COMPRESSOR.

Applicant : SANDEN CORPORATION, OF 20 KOTOBUKI-CHO, ISESACKI-SHI, GUNMA, 372. JAPAN, A JAPANESE COMPANY.

Inventor : KIYOSHI TERAUCHI.

Application for Patent No. 65/Del/85 filed on 08th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A scroll type fluid compressor comprising :

a housing a fixed scroll fixedly disposed within said housing and having a first circular end plate from which a first wrap extends into the interior of said housing;

an orbiting scroll having a second circular end plate from which a second wrap extends, said first and second wrap extends, said first and second wraps inter-fitting at an angular and radial offset to form a plurality of line contacts which define at least one pair of sealed off fluid pockets;

said which first end plate having a plurality of first threaded apertures facing said housing to adjustably fix said first end plate to said housing;

said housing having a plurality of second threaded apertures corresponding in number and position to said first apertures;

a sleeve having external screw threads adjustably threaded into each of said second threaded apertures so that the inner end surface of said sleeves presses against said first end plate to adjust the axial clearance between both said scrolls; and

a threaded member passing through said sleeves and threadedly fixed to said first threaded apertures, so that said fixed scroll is adjustably fixed within said housing.

Compl. sepcn. 11 pages.

Drgs. 2 sheets

CLASS :

163815

Int. Cl.⁴ : E 04 B 1/08, 2/08.

A METALLIC MODULE.

Applicant & Inventor : AJIT KRISHAN LAL, AN INDIAN NATIONAL OF 31-D, DDA FLATS, MASJID MOTH, NEW DELHI-110048.

Application for Patent No. 740/Del/85 filed on 9th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A metallic module comprising at least of an upper and lower planer sheet provided in a spaced relation to each other and with a corrugated metallic sheet provided therebetween, a film or layer of polyamide resin provided between the ridges of the corrugated sheet and the upper and lower sheets for adhering said upper and lower sheets to the corrugated sheet.

Compl. sepcn. 6 pages.

Drg. 1 sheet

CLASS :

163816

Int. Cl.⁴ : E 02 F 5/28.

UNDERWATER SCOURING APPARATUS.

Applicant & Inventor : GERRIT BROERSZ, A DUTCH CITIZEN, OF ZEEMANHOFF 27, SCHOONHOVEN 2871, JW HOLLAND, AND JOHN MEADE, A BRITISH CITIZEN, OF BOD IFOR, GORS AVENUE, HOLYHEAD, GWYNEDD, UNITED KINGDOM.

Application for Patent No. 862/Del/85 filed on 16th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

Underwater scouring apparatus comprising a flexible sheet having a plurality of scouring devices mounted thereon, each scouring device comprising a scouring tool connected to rotary drive means adapted to rotate the tool.

Compl. sepcn. 9 pages.

Drgs. 2 sheets

CLASS :

163817

Int. Cl.⁴ : D 06 L 1/20, D 21 C 9/02.

IMPROVED U-SHAPED WASHER FOR CLEANING FIBROUS MATERIALS.

Applicant : PROCESS EVALUATION AND DEVELOPMENT CORPORATION, A DELAWARE CORPORATION, OF 3400 INTERNATIONAL BUILDING, DALLAS, TEXAS 75270, U. S. A.

Inventors : EDUARDO JOEL VILLAVICENCIO AND JORGE ENRIQUE ARANA.

Application for Patent No. 872/Del/85 filed on 17th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

An improved U-shaped washer for cleaning fibrous materials comprising an input leg for the input of fibrous materials to be cleaned and an exit leg for the discharge of washed fibrous materials, said input and exit legs being the legs of the U of said washer and connected to a deepened section

at the apex of the U, a plurality of roller mounted tines in the input leg to move said fibrous materials to said deepened section of the washer while continuously submerging said fibrous materials; and roller mounted paddles in the exit leg to move fibre from said deepened section of the washer to the end of the exit leg, characterised by conduit means connected to said deepened section of the washer to flow water tangentially into said deepened section and also to said exit leg to thereby additionally propel fibrous materials through said deepened section of the washer to the end of said exit leg.

Compl. specn. 12 pages.

Drgs. 4 sheets

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks

